

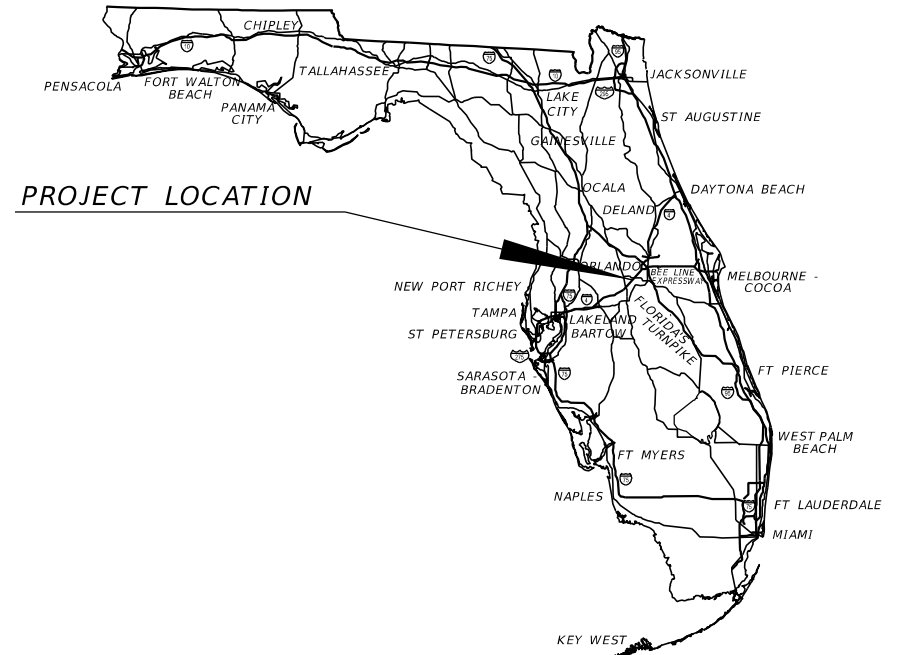
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION PACKAGE

FINANCIAL PROJECT ID 437174-2-22-01
(FEDERAL FUNDS)
OSCEOLA COUNTY (92040) & ORANGE COUNTY (75035)

STATE ROAD NO. 535

ADD LANES AND RECONSTRUCT FROM US 192 TO
NORTH OF WORLD CENTER DRIVE (SR 536)



FDOT DISTRICT DESIGN ENGINEER

FDOT DISTRICT TRAFFIC OPERATIONS ENGINEER

DocuSigned by:
Ed Kestory
EDD7768CC3204EF...
07/29/2024 | 4:04 PM EDT

DocuSigned by:
Jamall King Jr
292113AFD861407...
07/29/2024 | 8:32 PM EDT

CONCURRING WITH:
TYPICAL SECTION ELEMENTS
DESIGN & POSTED SPEEDS

CONCURRING WITH:
DESIGN & POSTED SPEEDS

FDOT DISTRICT INTERMODAL SYSTEMS DEVELOPMENT MANAGER

FDOT DISTRICT STRUCTURES DESIGN ENGINEER

DocuSigned by:
Kellie Smith
FA179EF3C91646C...
07/30/2024 | 2:48 PM EDT

DocuSigned by:
Gary Skofronick
8BEAB116F69C4ED...
07/29/2024 | 3:39 PM EDT

CONCURRING WITH:
CONTEXT CLASSIFICATION
TARGET SPEED

CONCURRING WITH:
TYPICAL SECTION ELEMENTS

FHWA TRANSPORTATION ENGINEER

NOT USED

N/A

CONCURRING WITH:
TYPICAL SECTION ELEMENTS
TARGET SPEED

CONCURRING WITH:

NOT USED

NOT USED

CONCURRING WITH:

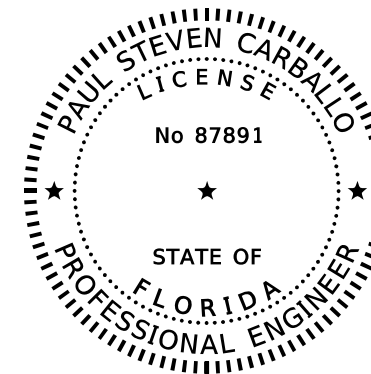
CONCURRING WITH:

PROJECT LOCATION URL: <http://tinyurl.com/SR535>

PROJECT LIMITS: OSCEOLA COUNTY
MP 0.000 TO 1.147
ORANGE COUNTY
MP 0.000 TO 1.325

EXCEPTIONS: NONE
BRIDGE LIMITS: NONE
RAILROAD CROSSING: NONE

APPROVED BY:



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY
PAUL STEVEN CARBALLO, P.E.

ON THE DATE ADJACENT TO THE SEAL
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.
METRIC ENGINEERING, INC.
13940 SW 136TH ST
MIAMI, FLORIDA, 33186
PAUL STEVEN CARBALLO, P.E. NO. 87891

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

INDEX OF SHEETS

SHEET NO	SHEET DESCRIPTION
01	COVER SHEET
02	TYPICAL SECTION - A
03	TYPICAL SECTION - B
04	TYPICAL SECTION - C
05	TYPICAL SECTION - D

SHEET NO.

01

sDATES \$TIMES \$USERS
 c:\pwworkingdir\metric-pw-bentley.com .metric-pw-01\diego.tamayo@metriceng.com\dms14147\TYPDRD02.dgn

PROJECT CONTROLS

CONTEXT CLASSIFICATION

- () C1 : NATURAL (X) C3C : SUBURBAN COMM.
- () C2 : RURAL () C4 : URBAN GENERAL
- () C2T : RURAL TOWN () C5 : URBAN CENTER
- () C3R : SUBURBAN RES. () C6 : URBAN CORE
- () N/A : L.A. FACILITY

FUNCTIONAL CLASSIFICATION

- () INTERSTATE () MAJOR COLLECTOR
- () FREEWAY/EXPWY. () MINOR COLLECTOR
- () PRINCIPAL ARTERIAL () LOCAL
- (X) MINOR ARTERIAL

HIGHWAY SYSTEM

- () NATIONAL HIGHWAY SYSTEM
- () STRATEGIC INTERMODAL SYSTEM
- (X) STATE HIGHWAY SYSTEM
- () OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

- () 1 - FREEWAY
- () 2 - RESTRICTIVE w/Service Roads
- (X) 3 - RESTRICTIVE w/660 ft. Connection Spacing
- () 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
- () 5 - RESTRICTIVE w/440 ft. Connection Spacing
- () 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
- () 7 - BOTH MEDIAN TYPES

CRITERIA

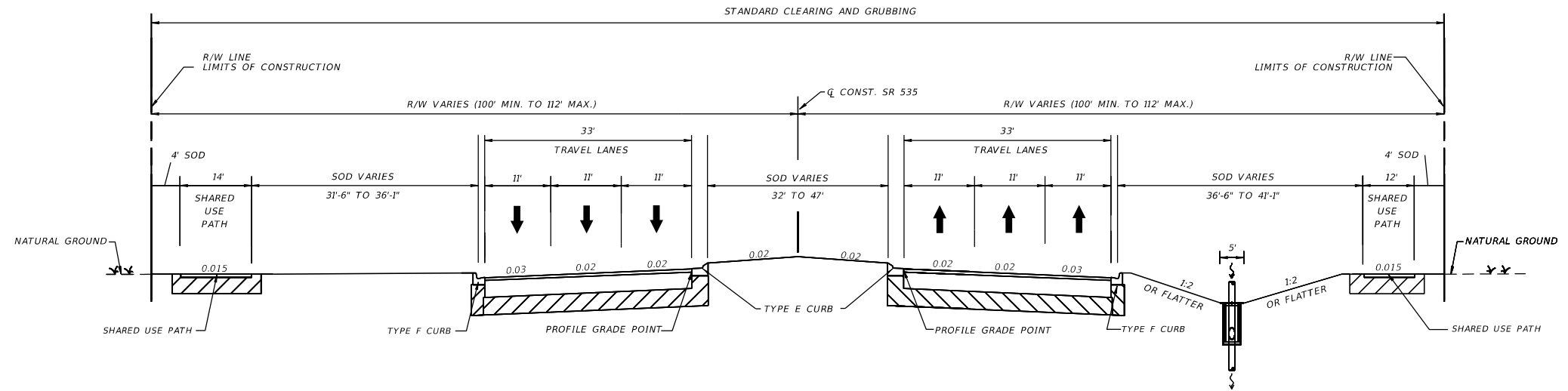
- (X) NEW CONSTRUCTION / RECONSTRUCTION
- () RESURFACING (LA FACILITIES)
- () RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

DESIGN VARIATIONS

N/A

TYPICAL SECTION - A



SR 535

NOT TO SCALE

STA. 1489+00.00 to STA. 1518+39.58

STA. 1519+68.44 to STA. 1568+24.47

STA. 1569+61.08 to STA. 1588+07.14

TRAFFIC DATA

EXISTING CONDITIONS =2020 AADT = 56,000
 ESTIMATED OPENING YEAR =2025 AADT = 59,500
 ESTIMATED DESIGN YEAR =2045 AADT = 73,500
 K = 7.5% D = 52.2% T = 9.4% (72 HOUR)
 DESIGN HOURS T = 12.0%
 DESIGN SPEED = 45 MPH
 POSTED SPEED = 45 MPH
 TARGET SPEED = 45 MPH

FINANCIAL PROJECT ID

SHEET NO.

437174-2-22-01

02

PROJECT CONTROLS

CONTEXT CLASSIFICATION

- () C1 : NATURAL (X) C3C : SUBURBAN COMM.
- () C2 : RURAL () C4 : URBAN GENERAL
- () C2T : RURAL TOWN () C5 : URBAN CENTER
- () C3R : SUBURBAN RES. () C6 : URBAN CORE
- () N/A : L.A. FACILITY

FUNCTIONAL CLASSIFICATION

- () INTERSTATE () MAJOR COLLECTOR
- () FREEWAY/EXPWY. () MINOR COLLECTOR
- () PRINCIPAL ARTERIAL () LOCAL
- (X) MINOR ARTERIAL

HIGHWAY SYSTEM

- () NATIONAL HIGHWAY SYSTEM
- () STRATEGIC INTERMODAL SYSTEM
- (X) STATE HIGHWAY SYSTEM
- () OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

- () 1 - FREEWAY
- () 2 - RESTRICTIVE w/Service Roads
- (X) 3 - RESTRICTIVE w/660 ft. Connection Spacing
- () 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
- () 5 - RESTRICTIVE w/440 ft. Connection Spacing
- () 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
- () 7 - BOTH MEDIAN TYPES

CRITERIA

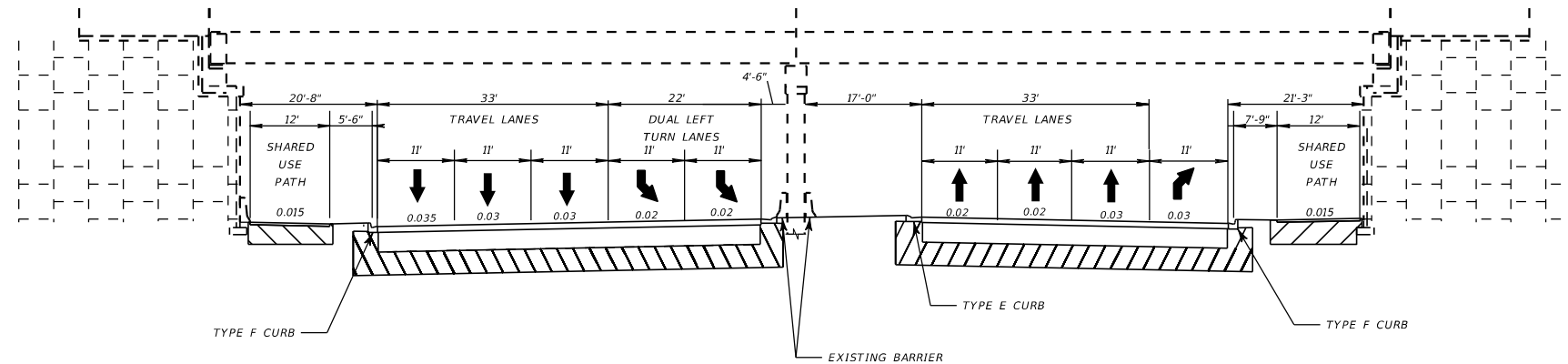
- (X) NEW CONSTRUCTION / RECONSTRUCTION
- () RESURFACING (LA FACILITIES)
- () RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

DESIGN VARIATIONS

N/A

TYPICAL SECTION - B



OSCEOLA PARKWAY OVER SR 535
STA. 1518+39.58 to STA. 1519+68.44

NOT TO SCALE

TRAFFIC DATA

EXISTING CONDITIONS =2020 AADT = 56,000
 ESTIMATED OPENING YEAR =2025 AADT = 59,500
 ESTIMATED DESIGN YEAR =2045 AADT = 73,500
 K = 7.5% D = 52.2% T = 9.4% (72 HOUR)
 DESIGN HOURS T = 12.0%
 DESIGN SPEED = 45 MPH
 POSTED SPEED = 45 MPH
 TARGET SPEED = 45 MPH

FINANCIAL PROJECT ID

SHEET NO.

437174-2-22-01

03

PROJECT CONTROLS

CONTEXT CLASSIFICATION

- () C1 : NATURAL (X) C3C : SUBURBAN COMM.
- () C2 : RURAL () C4 : URBAN GENERAL
- () C2T : RURAL TOWN () C5 : URBAN CENTER
- () C3R : SUBURBAN RES. () C6 : URBAN CORE
- () N/A : L.A. FACILITY

FUNCTIONAL CLASSIFICATION

- () INTERSTATE () MAJOR COLLECTOR
- () FREEWAY/EXPWY. () MINOR COLLECTOR
- () PRINCIPAL ARTERIAL () LOCAL
- (X) MINOR ARTERIAL

HIGHWAY SYSTEM

- () NATIONAL HIGHWAY SYSTEM
- () STRATEGIC INTERMODAL SYSTEM
- (X) STATE HIGHWAY SYSTEM
- () OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

- () 1 - FREEWAY
- () 2 - RESTRICTIVE w/Service Roads
- (X) 3 - RESTRICTIVE w/660 ft. Connection Spacing
- () 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
- () 5 - RESTRICTIVE w/440 ft. Connection Spacing
- () 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
- () 7 - BOTH MEDIAN TYPES

CRITERIA

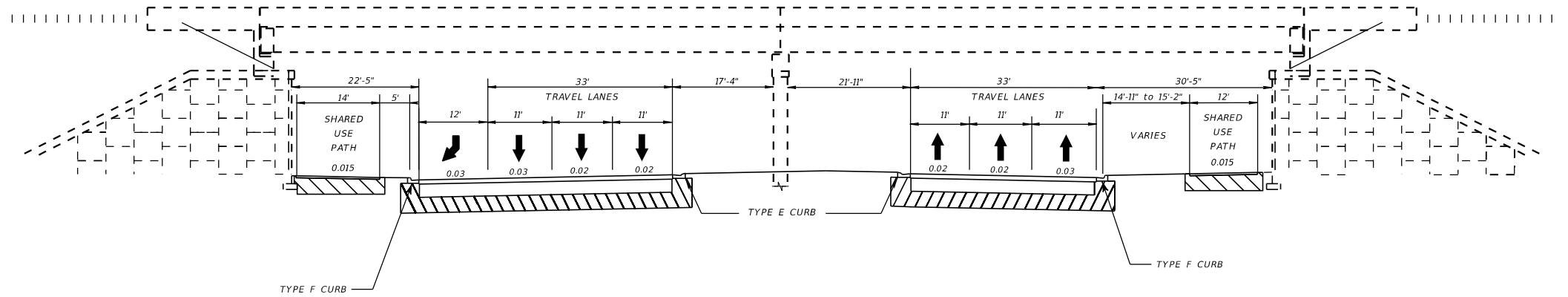
- (X) NEW CONSTRUCTION / RECONSTRUCTION
- () RESURFACING (LA FACILITIES)
- () RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

DESIGN VARIATIONS

N/A

TYPICAL SECTION - C



SR 417 OVER SR 535
 STA. 1568+24.47 to STA. 1569+61.08

NOT TO SCALE

TRAFFIC DATA

EXISTING CONDITIONS =2020 AADT = 56,000
 ESTIMATED OPENING YEAR =2025 AADT = 59,500
 ESTIMATED DESIGN YEAR =2045 AADT = 73,500
 K = 7.5% D = 52.2% T = 9.4% (72 HOUR)
 DESIGN HOURS T = 12.0%
 DESIGN SPEED = 45 MPH
 POSTED SPEED = 45 MPH
 TARGET SPEED = 45 MPH

FINANCIAL PROJECT ID

SHEET NO.

437174-2-22-01

04

PROJECT CONTROLS

CONTEXT CLASSIFICATION

- () C1 : NATURAL (X) C3C : SUBURBAN COMM.
- () C2 : RURAL () C4 : URBAN GENERAL
- () C2T : RURAL TOWN () C5 : URBAN CENTER
- () C3R : SUBURBAN RES. () C6 : URBAN CORE
- () N/A : L.A. FACILITY

FUNCTIONAL CLASSIFICATION

- () INTERSTATE () MAJOR COLLECTOR
- () FREEWAY/EXPWY. () MINOR COLLECTOR
- () PRINCIPAL ARTERIAL () LOCAL
- (X) MINOR ARTERIAL

HIGHWAY SYSTEM

- () NATIONAL HIGHWAY SYSTEM
- () STRATEGIC INTERMODAL SYSTEM
- (X) STATE HIGHWAY SYSTEM
- () OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

- () 1 - FREEWAY
- () 2 - RESTRICTIVE w/Service Roads
- (X) 3 - RESTRICTIVE w/660 ft. Connection Spacing
- () 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
- () 5 - RESTRICTIVE w/440 ft. Connection Spacing
- () 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
- () 7 - BOTH MEDIAN TYPES

CRITERIA

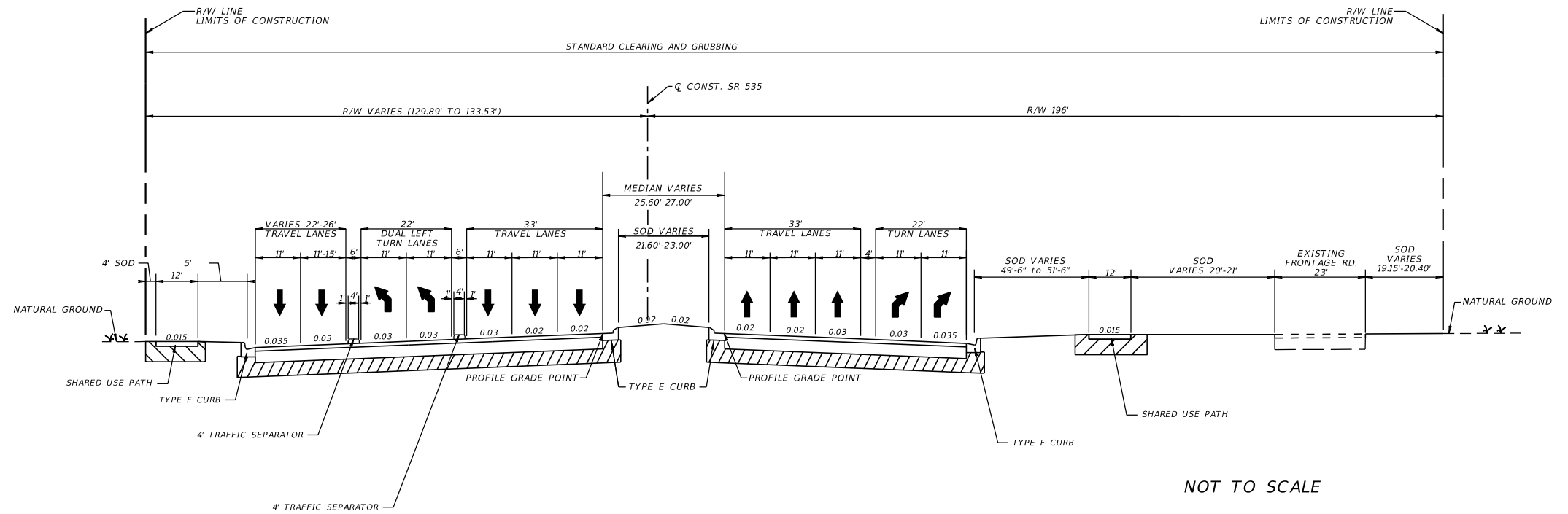
- (X) NEW CONSTRUCTION / RECONSTRUCTION
- () RESURFACING (LA FACILITIES)
- () RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:

DESIGN VARIATIONS

N/A

TYPICAL SECTION - D



**DISPLACED LEFT INTERSECTION ALONG SR 535
AT THE WORLD CENTER DRIVE (SR 536) INTERSECTION**

STA. 1592+47.83 to STA. 1594+45.82

NOT TO SCALE

TRAFFIC DATA

EXISTING CONDITIONS =2020 AADT = 56,000
 ESTIMATED OPENING YEAR =2025 AADT = 59,500
 ESTIMATED DESIGN YEAR =2045 AADT = 73,500
 K = 7.5% D = 52.2% T = 9.4% (72 HOUR)
 DESIGN HOURS T = 12.0%
 DESIGN SPEED = 45 MPH
 POSTED SPEED = 45 MPH
 TARGET SPEED = 45 MPH

FINANCIAL PROJECT ID

SHEET NO.

437174-2-22-01

05